

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 58-004821

(43)Date of publication of application : 12.01.1983

(51)Int.Cl. D01F 9/08

(21)Application number : 56-102213

(71)Applicant : MITSUBISHI MINING & CEMENT CO LTD

(22)Date of filing : 02.07.1981

(72)Inventor : TAGAI HIDEO
KOBAYASHI MASAHIRO
FUJISAWA TAKAO
ONO MIKIYA
FUKUDA YASUAKI
TAKEUCHI HIROYASU

(54) PRODUCTION OF CALCIUM PHOSPHATE FIBER

(57)Abstract:

PURPOSE: The starting materials, which, after melted, will contain specific amounts of calcium oxide and phosphorus pentoxide at a specified molar ratio of Ca/P, are melted and made into fiber to produce the titled fiber of high strength that is suitably used to fill defect parts of living bones.

CONSTITUTION: The starting materials, which will contain more than 8wt% of calcium oxide and phosphorus pentoxide at a Ca/P molar ratio of 0.6W1.7 after melted, preferably calcium phosphate and/or a mixture of phosphoric acid and calcium substance, are preferably pyrolyzed, melted and made into fiber under forced cooling of the nozzle to give the objective fiber. The above melting process preferably contains preliminary melting stage, cooling one and remelting one.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]